Docket No.: DC-03060 (16356.648)

## Claims

## What is claimed is:

7	1	A speaker apparatus	COMPRISING
1		A Speaker apparatus	contonana.

- a speaker; and
- an acoustic box connected to the speaker, the box having a sound reflecting distal wall including a plurality of stepped portions of variable distances from the speaker.
- 1 2. The apparatus as defined in claim 1 wherein the speaker is in a snap-fit engagement with the acoustic box.
- The apparatus as defined in claim 1 wherein the acoustic box includes a plurality of chassis mounting tabs.
- The apparatus as defined in claim 3 wherein the acoustic box includes a chassis mounting clip with a bendable tab.
- The apparatus as defined in claim 1 wherein the acoustic box includes a speaker wire exit opening formed therein.
- 1 6. The apparatus as defined in claim 1 wherein the acoustic box includes a plurality of speaker mounting ledges.
- The apparatus as defined in claim 1 wherein the acoustic box includes a plurality of speaker retention tabs.
- The apparatus as defined in claim 1 wherein each stepped portion is a different distance from the speaker than each other stepped portion.

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1	9.	A computer chassis comprising:
2		a chassis wall;
3		a speaker mounted on the chassis wall; and
4		an acoustic box connected to the speaker, the box having a sound
5		reflecting distal wall including a plurality of stepped portions, each stepped
6		portion being of a different distance from the speaker than each other
7		stepped portion.
_	10	The above and defined in claim O wherein the appaker is in a grap fit

- 10. The chassis as defined in claim 9 wherein the speaker is in a snap-fit 1 2 engagement with the acoustic box.
- 11. The chassis as defined in claim 10 wherein the acoustic box includes a 1 plurality of chassis mounting tabs. 2
- 12. The chassis as defined in claim 11 wherein the acoustic box includes a 1 chassis mounting clip with a bendable tab. 2
- 13. The chassis as defined in claim 12 wherein the acoustic box includes a 1 speaker wire exit opening formed therein. 2
- 14. The chassis as defined in claim 13 wherein the acoustic box includes a 1 plurality of speaker mounting ledges. 2
- The chassis as defined in claim 14 wherein the acoustic box includes a 15. plurality of speaker retention tabs. 2
- 16. The chassis as defined in claim 9 wherein each stepped portion is a different distance from the speaker than each other stepped portion. 2

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a chassis; a microprocessor mounted in the chassis; an input coupled to provide input to the microprocessor; a storage coupled to the microprocessor; a video controller coupled to the microprocessor; a memory coupled to provide storage to facilitate execution of computer programs by the microprocessor; a speaker mounted on the chassis; and an acoustic box connected to the speaker, the box having a sound reflecting distal wall including a plurality of stepped portions of variable distances from the speaker.  18. The system as defined in claim 17 wherein the speaker is in a snap-fit engagement with the acoustic box.  19. The system as defined in claim 17 wherein the acoustic box includes a plurality of chassis mounting tabs.  20. The system as defined in claim 19 wherein the acoustic box includes a chassis mounting clip with a bendable tab.  21. The system as defined in claim 18 wherein the acoustic box includes a speaker wire exit opening formed therein.  22. The system as defined in claim 17 wherein the acoustic box includes a plurality of speaker mounting ledges.  23. The system as defined in claim 12 wherein the acoustic box includes a plurality of speaker retention tabs.  24. The system as defined in claim 18 wherein each stepped portion is a different distance from the speaker than each other stepped portion.	1	17.	A computer system comprising:
an input coupled to provide input to the microprocessor; a storage coupled to the microprocessor; a video controller coupled to the microprocessor; a memory coupled to provide storage to facilitate execution of computer programs by the microprocessor; a speaker mounted on the chassis; and an acoustic box connected to the speaker, the box having a sound reflecting distal wall including a plurality of stepped portions of variable distances from the speaker.  1 18. The system as defined in claim 17 wherein the speaker is in a snap-fit engagement with the acoustic box.  1 19. The system as defined in claim 17 wherein the acoustic box includes a plurality of chassis mounting tabs.  2 20. The system as defined in claim 19 wherein the acoustic box includes a chassis mounting clip with a bendable tab.  2 21. The system as defined in claim 18 wherein the acoustic box includes a speaker wire exit opening formed therein.  2 22. The system as defined in claim 17 wherein the acoustic box includes a plurality of speaker mounting ledges.  2 3. The system as defined in claim 22 wherein the acoustic box includes a plurality of speaker retention tabs.  1 24. The system as defined in claim 18 wherein each stepped portion is a different	2		a chassis;
a storage coupled to the microprocessor; a video controller coupled to the microprocessor; a memory coupled to provide storage to facilitate execution of computer programs by the microprocessor; a speaker mounted on the chassis; and an acoustic box connected to the speaker, the box having a sound reflecting distal wall including a plurality of stepped portions of variable distances from the speaker.  18. The system as defined in claim 17 wherein the speaker is in a snap-fit engagement with the acoustic box.  19. The system as defined in claim 17 wherein the acoustic box includes a plurality of chassis mounting tabs.  20. The system as defined in claim 19 wherein the acoustic box includes a chassis mounting clip with a bendable tab.  21. The system as defined in claim 18 wherein the acoustic box includes a speaker wire exit opening formed therein.  22. The system as defined in claim 17 wherein the acoustic box includes a plurality of speaker mounting ledges.  23. The system as defined in claim 22 wherein the acoustic box includes a plurality of speaker retention tabs.  24. The system as defined in claim 18 wherein each stepped portion is a different	3		a microprocessor mounted in the chassis;
a video controller coupled to the microprocessor; a memory coupled to provide storage to facilitate execution of computer programs by the microprocessor; a speaker mounted on the chassis; and an acoustic box connected to the speaker, the box having a sound reflecting distal wall including a plurality of stepped portions of variable distances from the speaker.  1 18. The system as defined in claim 17 wherein the speaker is in a snap-fit engagement with the acoustic box.  1 19. The system as defined in claim 17 wherein the acoustic box includes a plurality of chassis mounting tabs.  2 20. The system as defined in claim 19 wherein the acoustic box includes a chassis mounting clip with a bendable tab.  2 21. The system as defined in claim 18 wherein the acoustic box includes a speaker wire exit opening formed therein.  2 2 2. The system as defined in claim 17 wherein the acoustic box includes a plurality of speaker mounting ledges.  2 3. The system as defined in claim 22 wherein the acoustic box includes a plurality of speaker retention tabs.  1 24. The system as defined in claim 18 wherein each stepped portion is a different	4		an input coupled to provide input to the microprocessor;
a memory coupled to provide storage to facilitate execution of computer programs by the microprocessor; a speaker mounted on the chassis; and an acoustic box connected to the speaker, the box having a sound reflecting distal wall including a plurality of stepped portions of variable distances from the speaker.  18. The system as defined in claim 17 wherein the speaker is in a snap-fit engagement with the acoustic box.  19. The system as defined in claim 17 wherein the acoustic box includes a plurality of chassis mounting tabs.  20. The system as defined in claim 19 wherein the acoustic box includes a chassis mounting clip with a bendable tab.  21. The system as defined in claim 18 wherein the acoustic box includes a speaker wire exit opening formed therein.  22. The system as defined in claim 17 wherein the acoustic box includes a plurality of speaker mounting ledges.  23. The system as defined in claim 22 wherein the acoustic box includes a plurality of speaker retention tabs.  24. The system as defined in claim 18 wherein each stepped portion is a different	5		a storage coupled to the microprocessor;
computer programs by the microprocessor; a speaker mounted on the chassis; and an acoustic box connected to the speaker, the box having a sound reflecting distal wall including a plurality of stepped portions of variable distances from the speaker.  1 18. The system as defined in claim 17 wherein the speaker is in a snap-fit engagement with the acoustic box.  1 19. The system as defined in claim 17 wherein the acoustic box includes a plurality of chassis mounting tabs.  2 20. The system as defined in claim 19 wherein the acoustic box includes a chassis mounting clip with a bendable tab.  2 1. The system as defined in claim 18 wherein the acoustic box includes a speaker wire exit opening formed therein.  2 2. The system as defined in claim 17 wherein the acoustic box includes a plurality of speaker mounting ledges.  2 3. The system as defined in claim 22 wherein the acoustic box includes a plurality of speaker retention tabs.  1 24. The system as defined in claim 18 wherein each stepped portion is a different	6		a video controller coupled to the microprocessor;
a speaker mounted on the chassis; and an acoustic box connected to the speaker, the box having a sound reflecting distal wall including a plurality of stepped portions of variable distances from the speaker.  1 18. The system as defined in claim 17 wherein the speaker is in a snap-fit engagement with the acoustic box.  1 19. The system as defined in claim 17 wherein the acoustic box includes a plurality of chassis mounting tabs.  2 20. The system as defined in claim 19 wherein the acoustic box includes a chassis mounting clip with a bendable tab.  2 21. The system as defined in claim 18 wherein the acoustic box includes a speaker wire exit opening formed therein.  2 22. The system as defined in claim 17 wherein the acoustic box includes a plurality of speaker mounting ledges.  2 3. The system as defined in claim 22 wherein the acoustic box includes a plurality of speaker retention tabs.  1 24. The system as defined in claim 18 wherein each stepped portion is a different	7		a memory coupled to provide storage to facilitate execution of
an acoustic box connected to the speaker, the box having a sound reflecting distal wall including a plurality of stepped portions of variable distances from the speaker.  1 18. The system as defined in claim 17 wherein the speaker is in a snap-fit engagement with the acoustic box.  1 19. The system as defined in claim 17 wherein the acoustic box includes a plurality of chassis mounting tabs.  2 20. The system as defined in claim 19 wherein the acoustic box includes a chassis mounting clip with a bendable tab.  2 21. The system as defined in claim 18 wherein the acoustic box includes a speaker wire exit opening formed therein.  2 2 2. The system as defined in claim 17 wherein the acoustic box includes a plurality of speaker mounting ledges.  2 3. The system as defined in claim 22 wherein the acoustic box includes a plurality of speaker retention tabs.  1 24. The system as defined in claim 18 wherein each stepped portion is a different	8		computer programs by the microprocessor;
reflecting distal wall including a plurality of stepped portions of variable distances from the speaker.  1 18. The system as defined in claim 17 wherein the speaker is in a snap-fit engagement with the acoustic box.  1 19. The system as defined in claim 17 wherein the acoustic box includes a plurality of chassis mounting tabs.  2 20. The system as defined in claim 19 wherein the acoustic box includes a chassis mounting clip with a bendable tab.  2 21. The system as defined in claim 18 wherein the acoustic box includes a speaker wire exit opening formed therein.  2 22. The system as defined in claim 17 wherein the acoustic box includes a plurality of speaker mounting ledges.  1 23. The system as defined in claim 22 wherein the acoustic box includes a plurality of speaker retention tabs.  1 24. The system as defined in claim 18 wherein each stepped portion is a different	9		a speaker mounted on the chassis; and
distances from the speaker.  1 18. The system as defined in claim 17 wherein the speaker is in a snap-fit engagement with the acoustic box.  1 19. The system as defined in claim 17 wherein the acoustic box includes a plurality of chassis mounting tabs.  2 20. The system as defined in claim 19 wherein the acoustic box includes a chassis mounting clip with a bendable tab.  2 21. The system as defined in claim 18 wherein the acoustic box includes a speaker wire exit opening formed therein.  2 22. The system as defined in claim 17 wherein the acoustic box includes a plurality of speaker mounting ledges.  1 23. The system as defined in claim 22 wherein the acoustic box includes a plurality of speaker retention tabs.  1 24. The system as defined in claim 18 wherein each stepped portion is a different	10		an acoustic box connected to the speaker, the box having a sound
18. The system as defined in claim 17 wherein the speaker is in a snap-fit engagement with the acoustic box.  19. The system as defined in claim 17 wherein the acoustic box includes a plurality of chassis mounting tabs.  20. The system as defined in claim 19 wherein the acoustic box includes a chassis mounting clip with a bendable tab.  21. The system as defined in claim 18 wherein the acoustic box includes a speaker wire exit opening formed therein.  22. The system as defined in claim 17 wherein the acoustic box includes a plurality of speaker mounting ledges.  12. The system as defined in claim 22 wherein the acoustic box includes a plurality of speaker retention tabs.  13. The system as defined in claim 22 wherein the acoustic box includes a plurality of speaker retention tabs.	11		reflecting distal wall including a plurality of stepped portions of variable
engagement with the acoustic box.  1 19. The system as defined in claim 17 wherein the acoustic box includes a plurality of chassis mounting tabs.  2 20. The system as defined in claim 19 wherein the acoustic box includes a chassis mounting clip with a bendable tab.  2 11. The system as defined in claim 18 wherein the acoustic box includes a speaker wire exit opening formed therein.  2 12. The system as defined in claim 17 wherein the acoustic box includes a plurality of speaker mounting ledges.  2 2 2 3. The system as defined in claim 22 wherein the acoustic box includes a plurality of speaker retention tabs.  2 3 4. The system as defined in claim 18 wherein each stepped portion is a different	12		distances from the speaker.
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plurality of chassis mounting tabs.  20. The system as defined in claim 19 wherein the acoustic box includes a chassis mounting clip with a bendable tab.  21. The system as defined in claim 18 wherein the acoustic box includes a speaker wire exit opening formed therein.  22. The system as defined in claim 17 wherein the acoustic box includes a plurality of speaker mounting ledges.  23. The system as defined in claim 22 wherein the acoustic box includes a plurality of speaker retention tabs.  24. The system as defined in claim 18 wherein each stepped portion is a different	2		engagement with the acoustic box.
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plurality of speaker mounting ledges.  The system as defined in claim 22 wherein the acoustic box includes a plurality of speaker retention tabs.  The system as defined in claim 18 wherein each stepped portion is a different	2		speaker wire exit opening formed therein.
plurality of speaker mounting ledges.  The system as defined in claim 22 wherein the acoustic box includes a plurality of speaker retention tabs.  The system as defined in claim 18 wherein each stepped portion is a different	7	22	The system as defined in claim 17 wherein the accustic box includes a
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